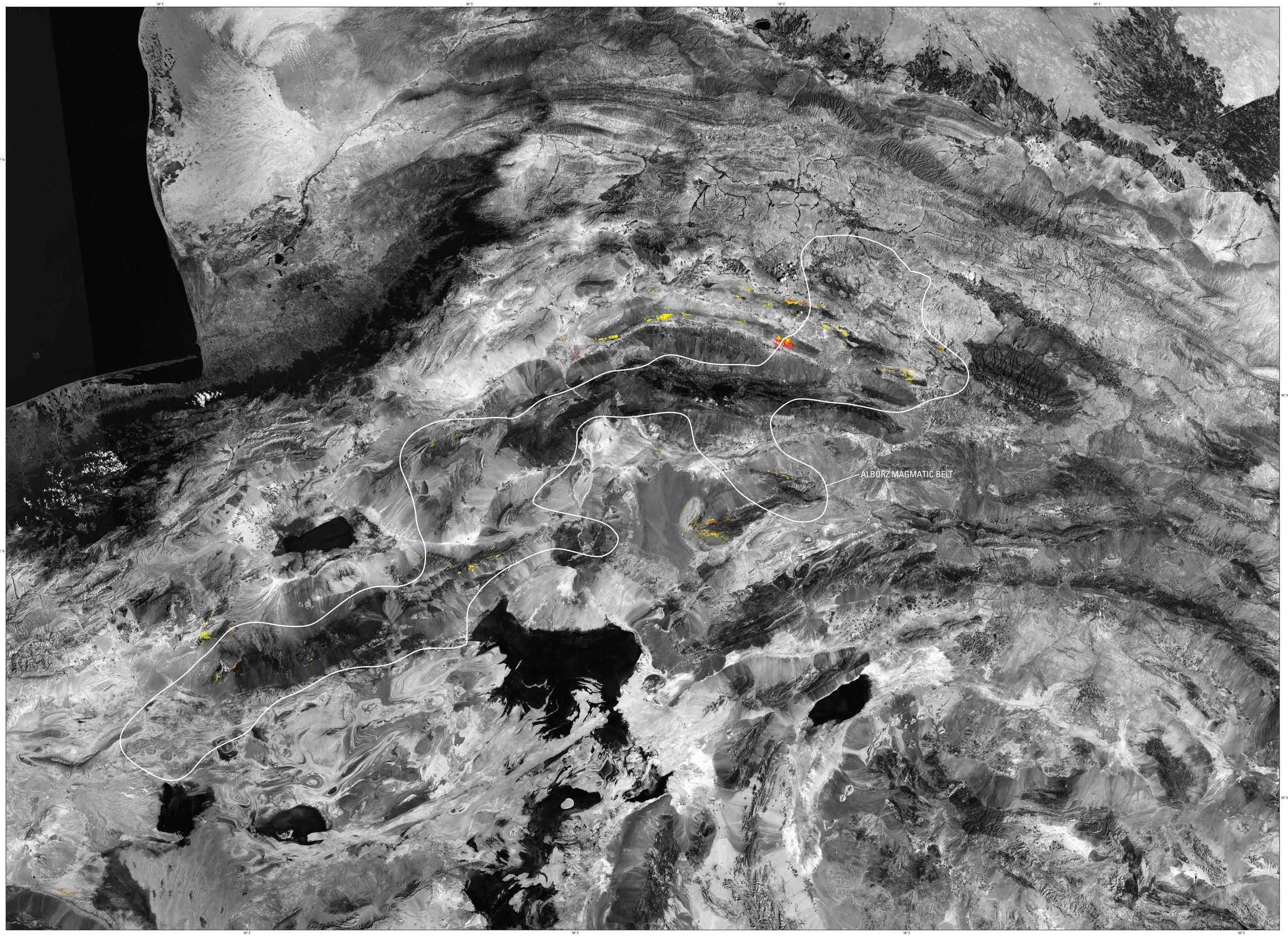
U.S. Department of the Interior
U.S. Geological Survey

Scientific Investigations Report 2010–5090–O
Plate 6 of 10



Base is Landsat Thematic Mapper, band 7 grayscale image (http://landsat.usgs.gov)
Universal Transverse Mercator projection

APPROXIMATE MEAN DECLINATION, 2014

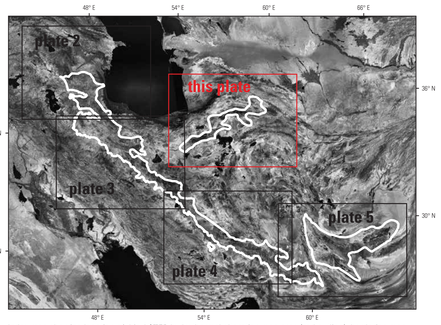
RATIO SCALE 1: 660,000

50 25 0 50 MILES

50 25 0 50 KILOMETERS

NATIONAL GEODETIC VERTICAL DATUM OF 1984

Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) data was used to map hydrothermal alteration, including argillic- and phyllic-altered rocks.



Index map showing location of this ASTER hydrothermal alteration map area (red outline), bordering map areas (black outlines), and volcanic belt boundaries (white outlines).

EXPLANATION

[NOTE FOR PLOT USERS: Small, isolated data areas may be difficult to see on plots; see files for detail (http://pubs.usgs.gov/sir/2010/5090/o/)]

Alteration units, mapped using ASTER data

- Phyllic-altered rocks
- Argillic-altered rocks
- Volcanic belt boundary

ASTER Hydrothermal Alteration Map of the Alborz Magmatic Belt, North-Central Iran

By
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Digital files available at http://pubs.usgs.gov/sir/2010/5090/o/

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